

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO  
IDEKER, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of  
limestone in the state of Missouri. The extent of the

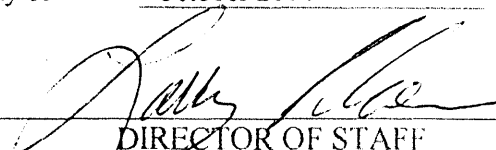
Proposed mining operation(s) will be on 272 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Andrew	18, 19	59N	35W	169	0	169	Amazonia Quarry	0578
Holt	27, 28	61N	37W	103	0	103	New Point Quarry	0579

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 15th day of October 2004



DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0592

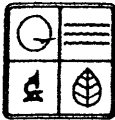
Effective Date 10/15/2004

Expiration Date 10/06/2005

MO 780-1122 (6-95)

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OCT 5 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND  
RECLAMATION COMMISSION

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>Ideker, Inc.</b>		DATE <b>9/30/04</b>	
ADDRESS <b>P.O. Box 1140</b>	CITY <b>St. Joseph</b>	STATE <b>Mo</b>	ZIP CODE <b>64501</b>
CONTACT PERSON <b>Ken Ideker</b>		TELEPHONE NUMBER <b>816-367-3970</b>	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. <b>AMAZONIA</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300<sup>00</sup></b>
2. <b>NEW POINT</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300<sup>00</sup></b>
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$ <b>600<sup>00</sup></b>

2. Acreage Fee \$5 X **284** number of acres bonded ..... \$ **1,470**

3. Annual Permit Fee ..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3) ..... \$ **2,570<sup>00</sup>**

NOTE: If Total Fee exceeds \$2,500.00 then pay only ..... \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee ..... \$ 300

SIGNATURE OF APPLICANT 	TITLE <b>VP</b>	DATE <b>9-30-04</b>
----------------------------	--------------------	------------------------

Appeared before me this **1<sup>st</sup>** day of **October**, 20**04**, **St. Joseph, Mo**  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>Buchanan</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>1<sup>st</sup></b> DAY OF <b>Oct</b> YEAR <b>2004</b>	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE 	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>Harold N. Jewett</b>	

FOR DEPARTMENT USE ONLY: APPROVED BY 	DATE APPROVED <b>10-8-04</b>	PERMIT NUMBER <b>0592</b>	EXPIRATION DATE <b>10-6-05</b>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER

PERMIT NUMBER

*Amazonia Quarry*

*592*

COMPANY NAME

*IDEKER, INC.*

COUNTY

1/4 SECTION

SECTION

*Andrew*

*SE*  
*SE*

*18, 19*  
*18*

TOWNSHIP

RANGE

ACRES

*59N*  
*59N*

*35W*  
*35W*

*23*  
*40*

RIVER OR STREAM NAME (FOR IN-STREAM ACRES)

MINERAL COMMODITY

ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

*Limestone*

*N/A*

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)

*See Consent to entry form*

ADDRESS

CITY

STATE

ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

DATE OF AGREEMENT

☐ MINERAL DEED

☐ LEASE

☐ WARRANTY DEED

☐ VERBAL AGREEMENT

☐ OTHER (DESCRIBE):

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)

*Same as above*

ADDRESS

CITY

STATE

ZIP CODE

SOURCE OF RIGHT TO MINE (CHECK ONE):

DATE OF AGREEMENT

☐ MINERAL DEED

☐ LEASE

☐ WARRANTY DEED

☐ VERBAL AGREEMENT

☐ OTHER (DESCRIBE):

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

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P.O. BOX 176  
JEFFERSON CITY, MO 65102

MISSOURI LAND  
RECLAMATION COMMISSION

COMPANY NAME

IDEKER, INC.

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: DECEMBER 31, 2050

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

AMAZONIA EXPANSION

PLAN COVERS AREA APPROXIMATELY 63 ACRES. 23 OWNED BY WAMPLER - OWNER ON CURRENT PERMIT  
40 ACRES BY IDEKER - PERMIT HOLDER. WAMPLER PROPERTY HAS LIGHT COVER WITH FEW TREES,  
HILLS, IDEKER PROPERTY IS HEAVILY TIMBER, LOW LYING.

SEE ENCLOSED PLATTE MAPS FOR OWNERSHIP.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

9

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

TREES WOULD BE CLEARED WITH DOZERS, TOPSOIL REMOVED BY SCRAPERS. TOPSOIL ON HILL  
PROPERTY IS ONLY ABOUT 6". THE TOPSOIL IN TIMBER, DRAW AREA IS OVER 12".

The top 12" of soil will be removed and stockpiled  
for reclamation.

*[Signature]* 1-17-03

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

SCRAPERS WILL DEPOSIT TOPSOIL IN STOCKPILES AS REQUIRED IN EXISTING PERMIT, I.E., IN  
ACCORDANCE WITH MODOT EROSION CONTROL STANDARDS.

PERMIT NO.

0592

SITE NUMBER/NAME

AMAZONIA QUARRY 0578

**B. SOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

ALL OVERBURDEN REMOVED FROM PIT WILL BE PLACED IN MINED OUT PORTIONS, IN WEST TO EAST DIRECTION.

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MISSOURI LAND  
RECLAMATION COMMISSION**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

ANY SHALE MATERIAL WILL BE WASTED IN THESE NONE MINED OUT PORTIONS OF THE QUARRY.

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

PIT IS ON SOUTHEAST AREA OF PERMITTED AREA. ADVANCES WILL BE EAST ON WAMPLER TO EAST NORTHEAST ON IDEKER PROPERTY.

**YES NO**☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?  
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☒☐

Will any excavation start at or within fifty feet (50') of any property line?

(NOTE: If the answer is "yes", a safety barrier may be needed.)

PERMIT NO.

0592

SITE NUMBER/NAME

AMAZONIA QUARRY 0578

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

*wildlife / Pasture*

B. SEEDING OR PLANTING TIME

*Spring* MISSOURI LAND RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

*(March 15 - May 15)*

REVEGETATION WOULD BE SAME AS EXISTING PERMIT MIXES.

ALSO, AS IN PAST AN OUTSIDE LICENSED AND BONDED SEEDER WOULD PERFORM ALL SEEDING AND MULCH AS WELL AS TREE PLANTING REVEGETATION ACTIVITIES.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<del>TALL FESCUE</del>	<i>1-17-03</i> <del>100 LB PER ACRE</del>		
ORCHARD GRASS	<i>15</i>		
BROME	<i>4</i>		
TIMOTHY	<i>10</i>		
CLOVER	<i>2</i>		
LESPEDeza	<i>15</i>		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

PERMIT NO.

0592

SITE NUMBER/NAME

AMAZONIA QUARRY 0578

JAN 15 2003

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND  
RECLAMATION COMMISSION

(permit holder)  
Landowner wants east area mined to be in lake of approximately 15-20 acres.

Slopes will be traversable by farm machinery, although farming will not be taking place.

Lake will be designed and constructed to SCS standards.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will be done as the pit advances and as spoil is placed in the mined-out portions. Final grading will be completed within one year of permit expiration on all mined-out portions.

**REPLACEMENT OF TOPSOIL**

Topsoil will be replaced to a uniform depth of 12 inches, and disced to reduce compaction. Topsoil will be replaced within one year of permit expiration on all mined-out portions.

**REVEGETATION**

All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

12 in KNT 1-17-03

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	15
Agricultural (pasture, cropland, and horticultural)	23
Development (residential, industrial, and recreational)	5
Water impoundments (for wildlife, agriculture, or development)	20
PERMIT NO. 0592	SITE NUMBER/NAME Amazonia 0578

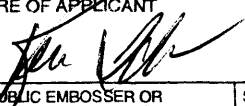


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JAN 15 2003

By my signature, I attest to the following:

MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE Vice President	DATE Jan 13, 2003
NOTARY PUBLIC EMBOSSE OR BLACK INK RUBBER STAMP SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Buchanan	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 13 <sup>th</sup> DAY OF January YEAR 2003		USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES Dec 30 2006	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Harold N. Jewett		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 4-8-03	PERMIT NUMBER 578





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER AMAZONIA QUARRY		PERMIT NUMBER 592	
COMPANY NAME IDEKER, INC.			
COUNTY ANDREW	1/4 SECTION NW SW	SECTION 19 18	
TOWNSHIP 59N 59N	RANGE 35W 35W	ACRES 154 119	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY LIMESTONE		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) SEE ATTACHED		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

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MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) SAME AS ABOVE		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT
<b>NOTE:</b> Each site must be shown on a map and be included in a public notice and an approved mine plan.		

NAME OF LANDOWNERS

DWANE HUBBARD AND BETTY HUBBARD  
ROUTE 1  
AMAZONIA, MO 64421  
DATE OF LEASE AGREEMENT - 5/10/1992  
[131 ACRES - NW $\frac{1}{4}$ , SECTION 19, TOWNSHIP 59N, RANGE 35W]

ANNA MAE SCOTT AND RAY R. SCOTT, JR.  
840 PROSPECT CREEK ROAD  
THOMPSON FALLS, MT 59873  
DATE OF LEASE AGREEMENT - 12/13/93  
[19.67 ACRES - SW $\frac{1}{4}$ , SECTION 18, TOWNSHIP 59N, RANGE 35W]

BILLY D. SNAPP  
ROUTE 1, BOX 80  
SVANNAH, MO 64485  
DATE OF LEASE AGREEMENT - 12/11/93  
[19.67 ACRES - SW $\frac{1}{4}$ , SECTION 18, TOWNSHIP 59N, RANGE 35W]

GAROLD C. WAMPLER, SR. AND DORSEY A. WAMPLER  
POST OFFICE BOX 83  
AMAZONIA, MO 64421  
DATE OF LEASE AGREEMENT - 11/18/92  
[80 ACRES - SW $\frac{1}{4}$ , SECTION 18, TOWNSHIP 59N, RANGE 35W]  
[23 ACRES - NW $\frac{1}{4}$ , SECTION 19, TOWNSHIP 59N, RANGE 35W]

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MISSOURI LAND  
RECLAMATION COMMISSION



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR  
☒ LONG TERM, FOR PERIOD THROUGH DATE: 3/1/1994 TO 3/1/2004

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

SEE ATTACHED SHEET - PAGE 1A OF 5

**OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.**

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

TOTAL DEPTH OF SOIL MATERIALS VARIES  
THROUGHOUT THE SITE VARIES 0-6" INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

AFTER TREES AND BRUSH ARE CLEARED WITH DOZERS, THE TOPSOIL WILL BE REMOVED BY SCRAPERS AND/OR DOZERS. TOPSOIL REMOVAL WILL BE KEPT AT LEAST TWENTY (20) FEET ± AHEAD OF PIT EXCAVATIONS.

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DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

SCRAPERS AND/OR DOZERS WILL DEPOSIT TOPSOIL MATERIALS IN STOCKPILES NEAR THE PIT AREA. THE STOCKPILES WILL BE SHAPED AND SEEDED WITH GRASS TO PROTECT FROM EROSION. WHERE SUITABLE MATERIAL IS AVAILABLE, THE SOIL WILL BE STRIPPED TO A DEPTH OF TWELVE (12) INCHES ± AND STOCKPILED FOR RECLAMATION PURPOSES.

THE AMAZONIA QUARRY FACILITY ENCOMPASSES AN AREA OF APPROXIMATELY TWO HUNDRED AND SEVENTY-THREE (273) ACRES(MOL). THE QUARRY FACILITY IS THE FORMER SITE OF A PREVIOUS OPEN-PIT QUARRY THAT HAD BEEN IN AND OUT OF OPERATION FROM THE LATE 1940'S TO THE MID 1970'S. BEGINNING IN 1992, IDEKER, INC. ACQUIRED LEASE AGREEMENTS TO RESUME MINING OPERATIONS. IDEKER, INC. IS CURRENTLY PERMITTED TO OPEN-PIT MINE SIXTY-FIVE (65) ACRES. THE SITE TERRAIN IS GENERALLY ROLLING. OF THE TOTAL 273 ACRES, NINETY-FOUR (94) ACRES (MOL) WOULD BE DESCRIBED AS AGRICULTURAL/PASTURE; ONE HUNDRED AND FORTY-ONE (141) ACRES (MOL) AS TIMBER/WILDLIFE; AND THIRTY-EIGHT (38) ACRES (MOL) OF OPEN-PIT MINING TO DATE (NOTE: PRIOR TO IDEKER, INC. BEGINNING MINING OPERATIONS, THE SITE CONTINUED AN EXISTING THREE (3) TO FIVE (5) ACRE OPEN-PIT MINE, TWELVE (12) TO SIXTEEN (16) ACRES OF SPOIL/WASTE AREA AND SEVEN (7) TO TEN (10) ACRES OF EXPOSED ROCK LEDGE WHERE OVERBURDEN HAD BEEN REMOVED -- THIS EXISTING QUARRY WAS LOCATED IN THE NE $\frac{1}{4}$  OF THE NW $\frac{1}{4}$  OF SECTION 19, TOWNSHIP 59N, RANGE 35W.).

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MISSOURI LAND  
RECLAMATION COMMISSION

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

OVERBURDEN REMOVED FORM THE QUARRY PIT AREAS WILL BE PLACED IN THE "MINED-OUT" PORTIONS OF THE PIT AREAS AND GRADED TO SLOPES TRAVERSABLE BY FARM MACHINERY.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

A LAYER OF SHALE LIES WITHIN THE OVERBURDEN. SHALE MATERIAL WILL BE PLACED IN THE BOTTOM OF THE MINED-OUT PORTION OF THE PIT AND WILL BE COVERED TO A MINIMUM DEPTH OF TWO (2) FEET WITH SILTY-CLAY SOIL TYPE OF MATERIAL AVAILABLE ON SITE.

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

ACTIVE QUARRY PIT AREA IS LOCATED IN THE UPPER NORTHEAST QUADRANT OF SECTION 19, TOWNSHIP 59N, RANGE 35W.

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MISSOURI LAND  
RECLAMATION COMMISSION**YES NO**☐☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☒☐

Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.**
**A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1 #1	PURPOSE OR LAND USE WILDLIFE/PASTURE <i>per m.s.</i>	B. SEEDING OR PLANTING TIME SPRING (MARCH 15 - MAY 15)
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

DURING THE FIRST SPRING FOLLOWING TOPSOIL REPLACEMENT THE SEED MIX WILL BE BROADCAST AND HARROWED.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<del>SEEDED SPECIES WILL CORRESPOND TO SEED MIXTURE #6 AS RECOMMENDED IN SCS TECHNICAL BULLETIN #532 (TALL FESCUE @ 8 LBS/ACRE AND LADINO CLOVER @ 1 LBS/ACRE.).</del> (SEE ATTACHED) <i>Orchard Grass</i> <i>Timothy - (Fall)</i> <i>Ladino Clover</i> <i>Lespedeza (Korean)</i>	<i>15*</i> <i>10*</i> <i>2*</i> <i>15*</i>	<i>per m.s.</i> <i>5-21-94</i>	

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
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DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

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 MISSOURI LAND  
 RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING**

## DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

ALL SPOIL AREAS WILL BE GRADED TO SLOPES TRAVERSABLE BY FARM MACHINERY AND/OR AS DIRECTED BY THE LANDOWNERS. RECLAIMED SLOPES WILL BE GRADED TO 3:1, EXCEPT FOR CONSOLIDATED HIGHWALLS.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

## GRADING

GRADING WILL BE PERFORMED AS THE PIT ADVANCES AND AS SPOIL IS PLACED IN THE MINED-OUT PORTIONS. FINAL GRADING WILL BE COMPLETED WITHIN TWELVE (12) MONTHS AFTER PERMIT EXPIRATION UNDER WHICH DISTURBED.

## REPLACEMENT OF TOPSOIL

TOPSOIL WILL BE PLACED AFTER EACH AREA IS FINAL GRADED. TOPSOIL WILL BE REPLACED TO A UNIFORM DEPTH AND DISCED TO REDUCE COMPACTION. TOPSOILING OPERATIONS WILL BE COMPLETED WITHIN TWELVE (12) MONTHS AFTER PERMIT EXPIRATION UNDER WHICH DISTURBED.

## REVEGETATION

ALL TOPSOILED AREAS WILL BE SEEDED DURING THE FIRST SPRING FOLLOWING TOPSOIL REPLACEMENT.

## AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

GROWTH MEDIAN  $\pm$  6 INCHES

12" A+B horizon per ms 5-24-94

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

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MISSOURI LAND  
RECLAMATION COMMISSION

4

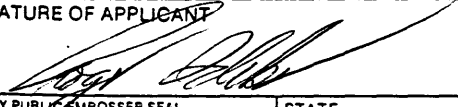
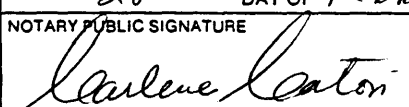
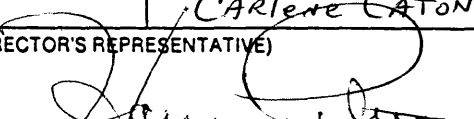
By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MISSOURI LAND  
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT 		TITLE VICE PRESIDENT	DATE FEBRUARY 28, 1994
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Holt	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 28 <sup>th</sup> DAY OF February 1994		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES 3-27-96	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) CARLENE CATON		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 8-26-94	PERMIT NUMBER 592





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>New Point Quarry</i>		PERMIT NUMBER <i>592</i>	
COMPANY NAME <i>IDEKER, INC.</i>			
COUNTY <i>Holt</i>	1/4 SECTION <i>NE</i>	SECTION <i>27, 28</i>	
TOWNSHIP <i>61N</i>	RANGE <i>37W</i>	ACRES <i>40</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY <i>Limestone</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>N/A</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)

<i>Anthony Bragg</i>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)

<i>Same as above</i>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

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JAN 15 2003

P.O. BOX 176  
JEFFERSON CITY, MO 65102

COMPANY NAME

IDEKER, INC.

MISSOURI LAND  
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR  
☒ LONG TERM, FOR PERIOD THROUGH DATE: DECEMBER 31, 2050

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

NEW POINT EXPANSION

PLAN COVERS 40 ACRE EXPANSION. PROPERTY IS ROW CROP FARM LAND. THIS AREA IS BORDERED TO THE WEST AND EAST BY OWNER OF LAND CURRENTLY UNDER EXISTING PERMIT. SEE ENCLOSED PLATT MAP FOR OWNERSHIP.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

SCRAPERS WILL BE USED TO REMOVE 12 INCHES OF TOPSOIL. TOPSOIL WOULD BE STOCKPILED IN AN AREA TO THE WEST OF THE CURRENT TOPSOIL STOCKPILE.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

TOPSOIL WOULD BE SECURED IN THE SAME MANNER REQUIRED ON THE EXISTING PERMIT GUIDELINES. WHICH FOLLOW MODOT EROSION CONTROL STANDARDS.

PERMIT NO.

0592

SITE NUMBER/NAME

NEW POINT QUARRY 0579

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

ALL OVERBURDEN REMOVAL WILL BE PLACED IN THE MINED OUT PORTION OF PIT IN ORDER TO CLOSE EXISTING LADOWNER'S AREA. THEN THE SAME WILL BE CONDUCTED TO START THE NEW LAND AREA AND CONTINUED SO THAT THE PROPERTY CAN BE RETURNED TO FARMABLE LAND.

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MISSOURI LAND  
RECLAMATION COMMISSION

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

ANY SHALE WOULD BE PLACED IN THE MINED OUT PORTION OF THE PIT.

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

EXISTING PIT IS RECTANGLE SHAPED LYING NORTH SOUTH MOVING WEST. FIRST CUT ON NEW PROPERTY WOULD BE APPROXIMATELY 3 ACRES.

**YES NO**

☐
☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐
☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?  
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☒
☐

Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

PERMIT NO.

0592

SITE NUMBER/NAME

NEW POINT QUARRY 0579

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

wildlife / Pasture

B. SEEDING OR PLANTING TIME

Spring

MISSOURI LAND  
RECLAMATION COMMISSION

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

march 15 - May 15

REVEGETATION WOULD BE SAME AS EXISTING. A LICENSED AND BONDED SEED/MULCH CONTRACTOR WILL PERFORM THE REVEGETATION AND SEEDING AS HAS PREVIOUSLY BEEN DONE.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<del>TALL FESCUE</del>	<del>100 LB ACRE</del>		
ORCHARD GRASS	15 TOTAL		
BROME	4		
TIMOTHY	10		
CLOVER	2		
LESPEDeza	15		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

PERMIT NO.

SITE NUMBER/NAME

NEW POINT QUARRY

0579

JAN 15 2003

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND  
RECLAMATION COMMISSION

OWNER DESIRES TO CONTINUE FARMING OPERATIONS ON AS MUCH OF PROPERTY AS CAN BE.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

GRADING WILL BE DONE AS THE PIT ADVANCES AND AS SOIL IS PLACED IN THE MINED-OUT PORTIONS. FINAL GRADING WILL BE COMPLETED WITHIN ONE YEAR OF PERMIT EXPIRATION ON ALL MINED-OUT PORTIONS.

**REPLACEMENT OF TOPSOIL**

TOPSOIL WILL BE REPLACED TO A UNIFORM DEPTH OF 12 INCHES, AND DISCED TO REDUCE COMPACTION. TOPSOIL WILL BE REPLACED WITHIN ONE YEAR OF PERMIT EXPIRATION ON ALL MINED-OUT PORTIONS.

**REVEGETATION**

ALL TOPSOIL AREAS WILL BE SEEDED DURING THE FIRST OPTIMUM SEEDING PERIOD FOLLOWING TOPSOIL REPLACEMENT.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)**

12 in. KWI 1-17-03

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

5

Agricultural (pasture, cropland, and horticultural)

35

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agriculture, or development)

PERMIT NO.

0592

SITE NUMBER/NAME

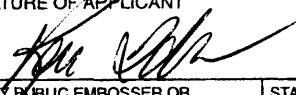
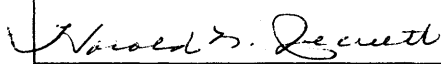
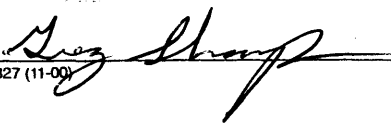
NEW POINT QUARRY 0579

JAN 15 2003

By my signature, I attest to the following:

MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE Vice President	DATE Jan 13 2003
NOTARY PUBLIC EMBOSSE OR BLACK INK RUBBER STAMP SEAL	STATE Missouri	COUNTY (OR CITY OF ST. LOUIS) Buchanan	
	SUBSCRIBED AND SWORN BEFORE ME, THIS 13 <sup>th</sup> DAY OF January YEAR 2003		USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES Dec 30, 2006	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Harold N. Jewett		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 4-8-03	PERMIT NUMBER 578



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

**RECEIVED**

SEP 29 1994

To be completed for each separate area of disturbance associated with mining operations.		
SITE NAME OR NUMBER  New Point		PERMIT NUMBER  592
COMPANY NAME  Ideker, Inc.		
COUNTY  Holt	1/4 SEC  SW 1/4	SECTION  27
TOWNSHIP  61N	RANGE  37 W	ACRES  63
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)  N/A		
MINERAL COMMODITY  Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)  N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE)  Chester Kunkel		
ADDRESS  Rural Route 2 Box 219		
CITY  Oregon	STATE  Missouri	ZIP CODE  64473
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT  7/7/94
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)  Same as above		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
MINE PLAN

SEP 29 1994

MISSOURI LAND  
RECLAMATION COMMISSION

P.O. BOX 176  
JEFFERSON CITY, MO 65102 28 1994

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MISSOURI  
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 10-1-94 to 10-1-97

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

The proposed quarry site encompasses an area of approximately 63 acres (MOL). The topography of this site is generally rolling. The site is currently being used as agriculture (i. e., cropland), with the exception of 5 to 10 acres of timber which lies to the east (Reference attached map).

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

Total depth of soil materials varies varies 0 to 36 INCHES  
throughout the site (0 to 3 feet)

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Topsoil will be removed by scrapers. Topsoil removal will be kept at least 20 feet ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Scrapers will deposit the soil in stockpiles near the pit area (Reference attached map). The stockpiles will be shaped and seeded with grass to protect from reosion. ~~Where material is available the soil will be stripped to a minimum depth of twelve (12) inches and stockpiles for reclamation purposes.~~ All available topsoil materials will be stripped and stockpiled for reclamation purposes.

*Th E. Stoop*  
*10-25-94*



SEP 29 1994

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

LAND  
MATION COMMISSION

All overburden removed from the quarry pit areas will be placed in the mined out portions of the pit areas and graded to slopes traversable by farm machinery.

**C. ACID MATERIA**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

It is believed that a layer of shale lies within the overburden. Scrapers and/or dozers will be used to remove the overburden and shale materials. The operator which removes the overburden will remove shale material layer(s), if encountered. Separately and place it in the bottom of the mined out portion of the pit. Shale materials, if encountered will be covered to a minimum depth of two (2) feet with silty-clay type of material available on site.

**PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Limestone Mining will begin approximately in the North 1/4 and progress Southward there on (Reference attached map).

YES NO

- |                                     |                                     |   |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)   |

SEP 29 1994

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

Spring March 15- May 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

~~During the first spring following topsoil replacement the seed mix will be broadcast and harrowed.~~ Seeding operations will commence the first spring following topsoil replacement. Following disking of the seed bed, the seed mix will be broadcast and harrowed.

*M. E. Shoop*  
10-25-94

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
<del>Seeded species will correspond to Seed Mixture #6 as recommended in SGS Technical Bulletin #532 (Tall Fescue @ 8 lbs./acre and Ladino Clover @ 1 lb./acre).</del>			
Orchard Grass	15#	<i>M. E. Shoop</i> 10-25-94	
Timothy	10#		
Ladino Clover	2#		
Lespedeza	15#		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING**

**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

All spoil areas will be graded to slopes traversable by farm machinery. Reclaimed slopes will be graded to approximately 3:1, except for consolidated highwalls.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

**GRADING**

Grading will be performed as the pit advances and as spoil is placed in the mined-out portions. Final grading will be completed within 12 months after permit expiration under which disturbed.

**REPLACEMENT OF TOPSOIL**

Topsoil will be placed after an area is final graded. Topsoil will be replaced to a uniform depth and discred to reduce compaction. Topsoiling will be completed within 12 months after permit expiration under which disturbed.

**REVEGETATION**

All topsoil areas will be seeded during the first spring following topsoil replacement.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)** 12 inch combination of "A" & "B" horizon that would occur during pre-mining

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

53

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

10


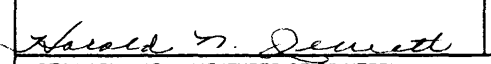

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SEP 29 1994

By my signature, I attest to the following:

MISSOURI LAND  
RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mihe Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT 		TITLE Vice President	DATE 9-20-94
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Buchanan <b>USE RUBBER STAMP IN CLEAR AREA BELOW</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS 20 <sup>th</sup> DAY OF September, 1994		
	NOTARY PUBLIC SIGNATURE 	MY COMMISSION EXPIRES Dec 2 1994	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) Harold N. Jewett		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) 		DATE APPROVED 11-8-94	PERMIT NUMBER 592



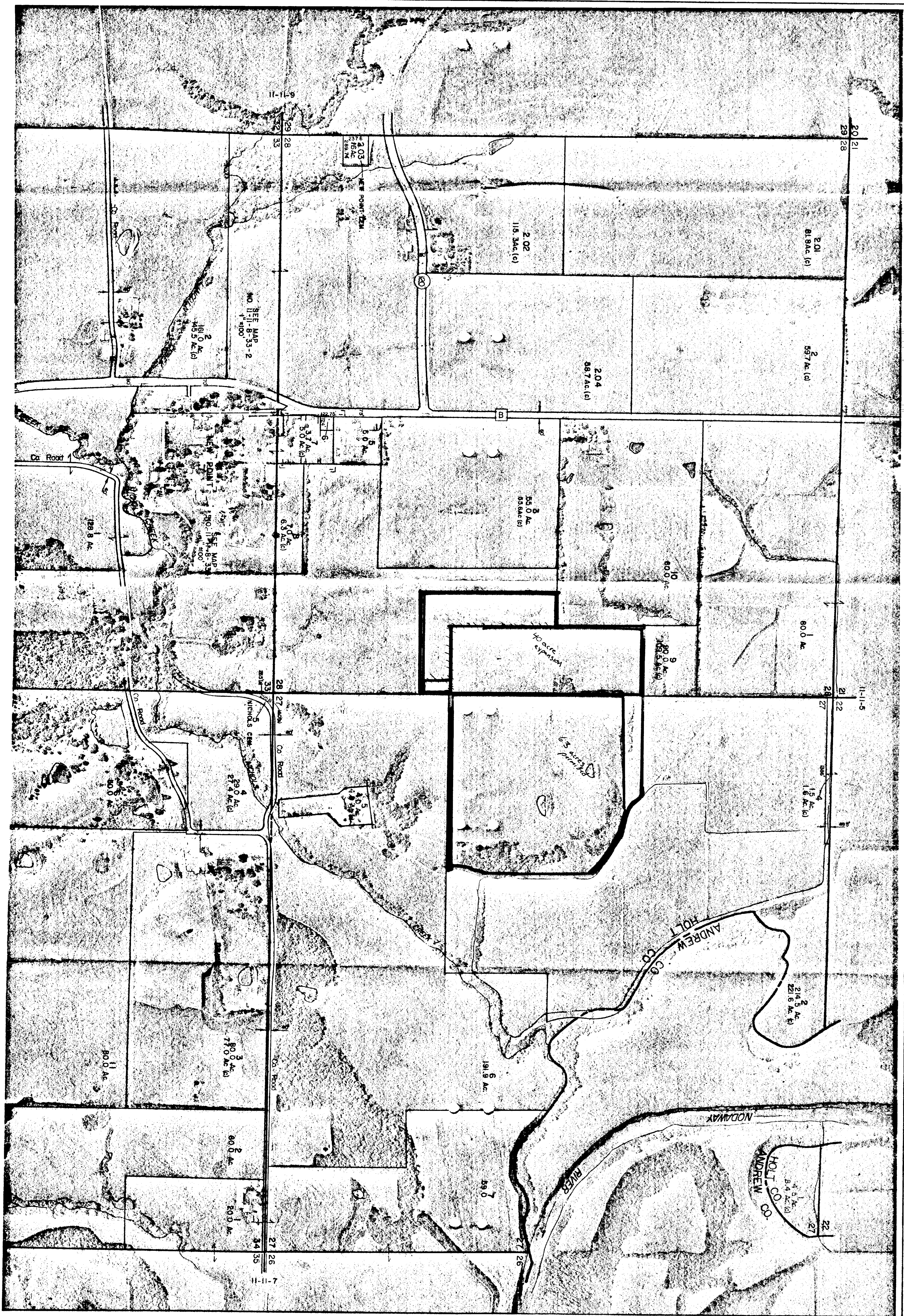
**SURDEX**  
 620 SPIRIT OF ST. LOUIS BLVD.  
 CHESTERFIELD, MO. 63017

Aerial Photography  
 Term-Plan Maps  
 Geomorphology Mapping  
 Volumetric Investigations  
 Plant & Profile Mapping  
 Data Charting  
 Precise File Surveys

314-632-3427

- long term mine plan boundary
- Expansion (40 acres)
- Permitted acres

Idelker, Inc.  
New Point Quarry  
Ken Idelker  
map revision: 1-17-03  
sign: ~~Ken Idelker~~









# SINGLETON GARAGE

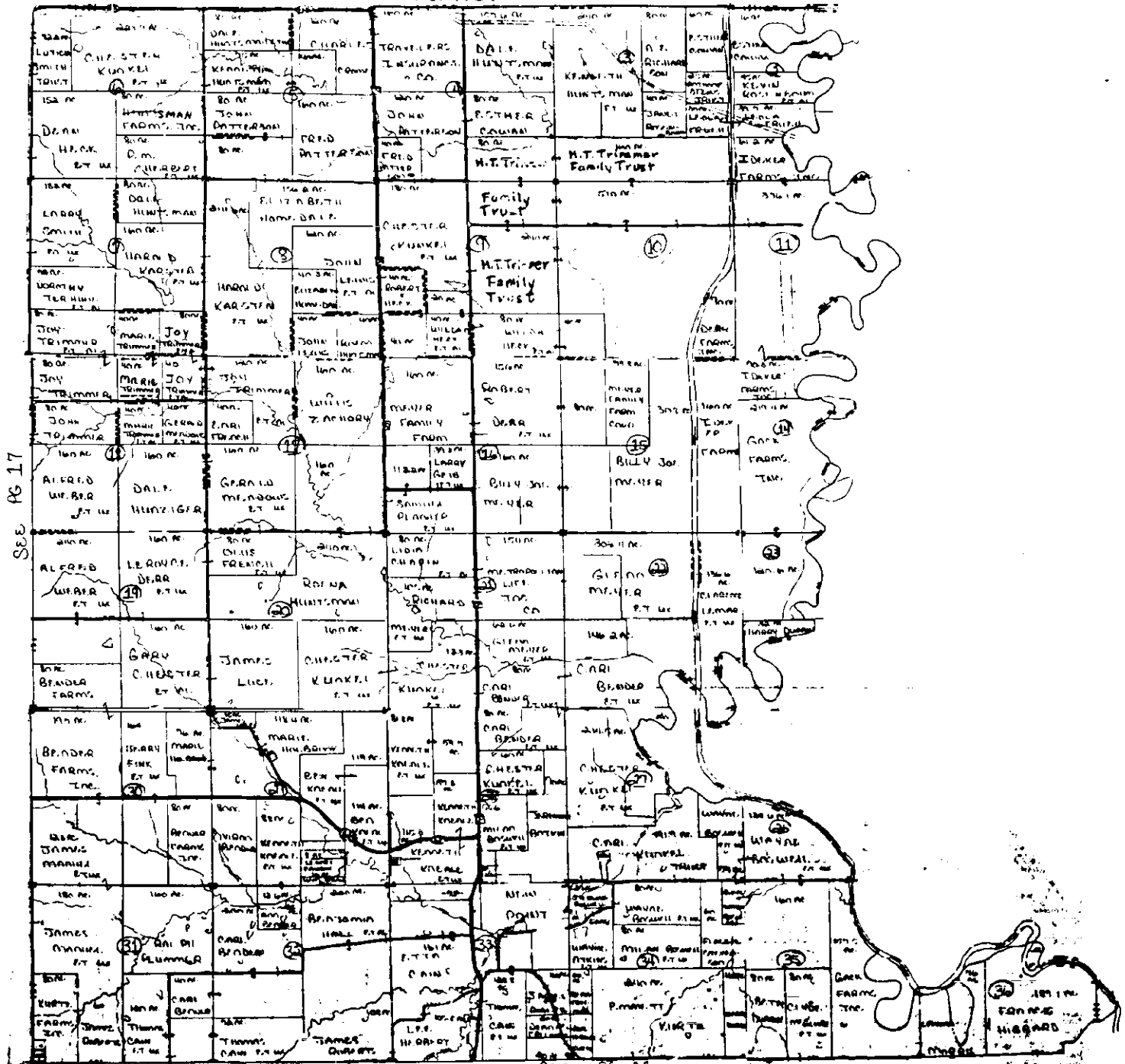
## 24-Hour Wrecket Service

## Auto and Tractor Repair – Welding and Reboring

Phones: Day (816) 683-5721 — Night (816) 683-5424

Craig, Misosuri 64437

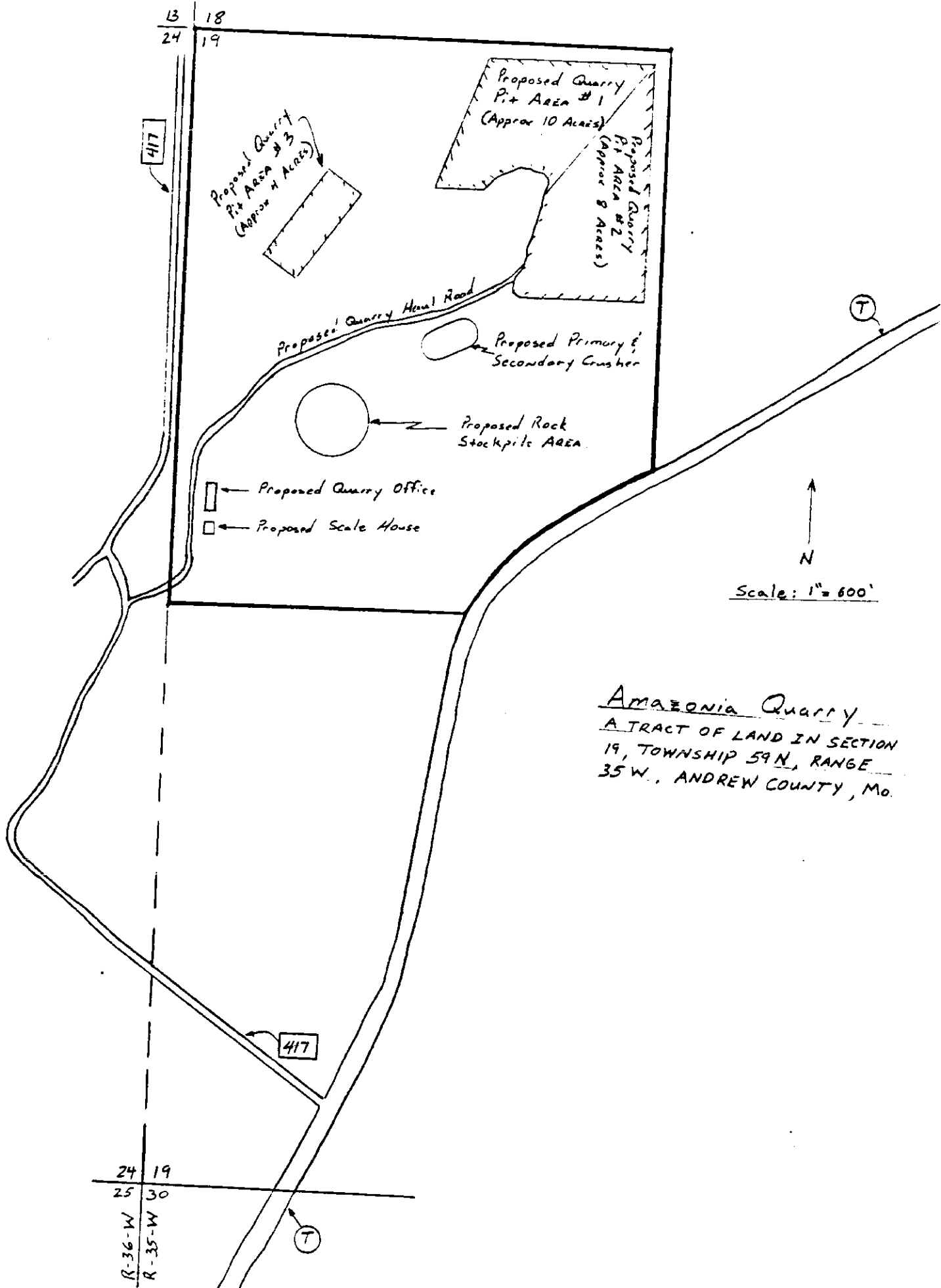
SEE PG. 14  
T61 R37



SEE PG 22







Amazonia Quarry  
 A TRACT OF LAND IN SECTION  
 19, TOWNSHIP 59 N., RANGE  
 35 W., ANDREW COUNTY, MO.